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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-513

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED APRIL 25, 1964

POST-MEASLES ENCEPHALITIS

Of the 27 cases of post-infectious encephalitis reported this week 14 are attributed to measles infections. The accompanying graph depicts the secular trend of reported measles and post-measles encephalitis for 1964 by week of reporting.

As previously reported (MMWR, Vol. 13, pp. 46 and 102) and as shown elsewhere in this issue most of the post-infectious encephalitis cases reported in January, February, and March were attributed to mumps infections. That measles accounts for over half of the post-infectious encephalitis cases reported this week may be attributed to the striking increase in reported cases of measles within the past month. This week, with a total of 29,899 cases of measles reported, constitutes the third straight week wherein reported measles cases have exceeded 25,000, a figure well in excess of the median figure for measles cases reported during the same weeks of 1959 to 1963.

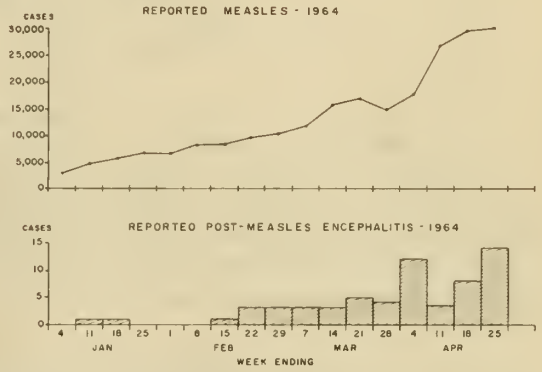


Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

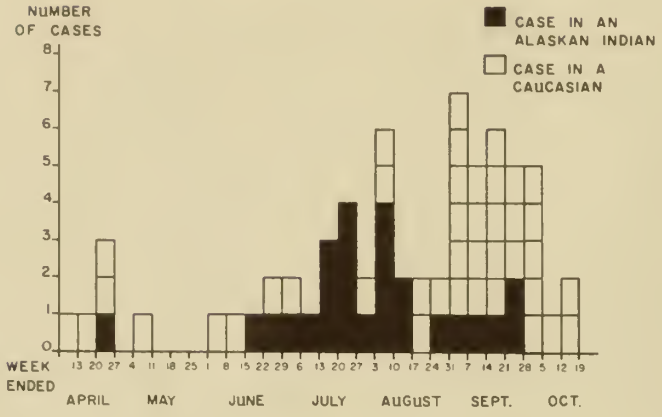
Disease	17 th Week Ended			Cumulative, First 17 Weeks		
	April 25, 1964	April 27, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	20	19	---	459	370	---
Brucellosis	5	5	9	125	111	177
Diphtheria	3	5	5	68	104	235
Encephalitis, primary infectious	24	]49	---	540	]461	---
Encephalitis, post-infectious	27		---	248		---
Hepatitis, infectious including serum hepatitis	821	824	875	15,388	17,158	17,158
Measles	29,899	16,295	18,177	226,977	212,000	221,585
Meningococcal infections	76	62	43	1,046	1,006	945
Poliomyelitis, Total	1	3	4	23	47	131
Paralytic	1	3	3	17	42	85
Nonparalytic	-	-	---	5	2	---
Unspecified	-	-	---	1	3	---
Streptococcal Sore Throat and Scarlet fever	10,632	7,921	---	183,686	162,304	---
Tetanus	4	2	---	64	57	---
Tularemia	3	3	---	81	64	---
Typhoid fever	7	3	9	111	116	162
Rabies in Animals	127	132	95	1,488	1,282	1,384

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis:	13
Botulism:	6	Rabies in Man:	-
Leptospirosis:	7	Smallpox:	-
Malaria: Nebr.-1	30	Typhus-	
Plague:	-	Murine: Ky.-1	4
		Rky Mt. Spotted:	7

Figure 1.

CASES OF INFECTIOUS HEPATITIS BY WEEK OF ONSET
SITKA, ALASKA



EPIDEMIOLOGICAL REPORTS

HEPATITIS – Alaska

An outbreak of infectious hepatitis, involving 66 individuals, occurred in Sitka, Alaska, between April and late September 1963. Six cases occurred in April and May. After a hiatus of 3 weeks, 60 additional cases became clinically manifest between June and October (See Figure 1).

The epidemic appears to be the sum of 2 smaller outbreaks among Alaskan Indians and non-native Caucasians. The Indian outbreak appears to have reached its peak during late July-early August. The Caucasian outbreak had its peak about 1 month later.

The distribution of the cases from April through October by age, sex, and ethnic group can be seen in Table 1. There were 11 cases in individuals 30 years or older. All 11 were Caucasian; 10 of the 11 were white females. The dates of onset among these 10 women ranged from the extremes of the epidemic. Two had a history of contact with a previous case during the 10 to 50 days prior to onset. In both instances, this contact was with a patient outside the home. Of the remaining 8 women, 4 had children in schools in which hepatitis had occurred; an additional patient worked as a baby-sitter. Three of the women, however, had no close contact with children.

Of 28 adult contacts in Indian households, 4 gave a history of a previous episode of jaundice. Three recalled an icteric illness approximately 30 years earlier, which would suggest that infectious hepatitis may have been prevalent among the Indian population of Sitka at that time and would help explain the absence of cases in natives 30 years of age and over.

Cases among white adults 30 years of age and over were not confined to persons who had recently arrived in Sitka. Of the 10 women in this group who became ill, 8 had resided in the town for at least 5 years and 3 of these had lived there more than a quarter-century.

TABLE 1
DISTRIBUTION OF INFECTIOUS HEPATITIS BY AGE, SEX, AND ETHNIC GROUP
SITKA, ALASKA, APRIL – OCTOBER 1963

	Indian		Caucasian		
Age Group	Male	Female	Male	Female	Total
0-4	1	–	1	–	2
5-9	4	4	5	3	16
10-14	6	4	5	5	20
15-19	2	2		1	5
20-29	2	1	5	4	12
30-39	–	–	–	4	4
40-49	–	–	1	2	3
50-59	–	–	–	3	3
60 +	–	–	–	1	1
Total	15	11	17	23	66

The duration of the outbreak, the age distribution of the cases, and the history of contact elicited from 32 percent of the cases are evidence that the mode of transmission of infectious hepatitis in Sitka was by the person-to-person route. Possible common sources such as food, water, milk, and parenteral introduction were investigated; they could not explain the epidemiological pattern. Similarly, there was no evidence to incriminate schools or social gatherings as contributing significantly to the total spread of hepatitis through the community.

Immune globulin administration (0.01 cc/lb) to family contacts was successful in preventing secondary household cases.

(Reported by E. D. Spencer, M.D., Sitka Health Officer; Miss Mary Rouley, PHN, Sitka, Edwin O. Wicks, M.D., Director, Division of Public Health, Jack K. Lesh, M.D., Chief, Maternal and Child Health, and a team from the CDC.)

ENCEPHALITIS

A total of 63 cases of post-infectious encephalitis were reported during March (see table right). This figure compares with the 51 and 25 cases reported for February and January respectively (See MMWR, Vol. 13, pp. 46 and 102).

Mumps continued to be the chief inciting cause, accounting for 37 cases in March. The table below compares the monthly incidence of mumps during the first quarter of 1964:

	Mumps	Percent of Total Cases
January	22	88
February	39	76
March	37	59

There were 15 cases of measles post-infectious encephalitis in March, compared with 6 in February and 2 in January.

No case of vaccinia encephalitis has been reported thus far in 1964.

REPORTED CASES OF POST-INFECTIOUS ENCEPHALITIS FOR MARCH
4 Weeks Ending 3/7, 3/14, 3/21, 3/28

Reporting Area	Inciting Cause					
	Mumps	Chickenpox	Measles	German Measles	Influenza	Herpes Simplex
New England						
Connecticut	1					
Middle Atlantic						
New York Up-State		1	4	2		
Pennsylvania	3		2	1		
East North Central						
Ohio	3	2				
Illinois	10	1	2			
Michigan	3		1			
South Atlantic						
Virginia	2	1				
East South Central						
Tennessee	3					
West South Central						
Arkansas	1				1	
Texas	1					
Pacific						
Washington	1					
California	8	1	6			1
Hawaii	1					
U. S. TOTAL	37	6	15	3	1	1

(States not reporting a case not listed).

TOTAL DEATHS REPORTED IN 108 CITIES

The weekly average number of total deaths in 108 cities for the four-week period ending April 25 was 11,950 as compared with an expected weekly average of 11,902.

	Week Ending				4 Week Total	Weekly Average
	4/4	4/11	4/18	4/25		
Observed	12,286	12,140	11,614	11,761	47,801	11,950
Expected	12,018	11,945	11,865	11,780	47,608	11,902
Excess	268	195	– 251	– 19	193	48

TOTAL DEATHS RECORDED IN 108 U.S. CITIES
Average Number per Week by Four-Week Periods

(See table, page 147)

Table 3 CASES OF SPECIFIED NOTIFIABLE DISEASES UNITED STATES
FOR WEEKS ENDED
APRIL 25, 1964 AND APRIL 27, 1963 (17th WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	20	19	24	27	1	3	23	47	1	3	17	42
NEW ENGLAND.....	-	1	1	1	-	-	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	1	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	-	1	2	3	-	-	4	5	-	-	4	5
New York City.....	-	-	-	-	-	-	1	-	-	-	1	-
New York, Up-State.	-	1	-	1	-	-	2	4	-	-	2	4
New Jersey.....	-	-	2	-	-	-	1	-	-	-	1	-
Pennsylvania.....	-	-	-	2	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	2	2	2	7	1	1	3	13	1	1	3	11
Ohio.....	1	-	-	1	1	-	2	4	1	-	2	3
Indiana.....	-	-	-	-	-	-	-	-	-	-	-	-
Illinois.....	-	-	1	5	-	-	1	6	-	-	1	5
Michigan.....	1	2	1	1	-	1	-	3	-	1	-	3
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	-	1	7	-	-	-	-	1	-	-	-	1
Minnesota.....	-	1	4	-	-	-	-	1	-	-	-	1
Iowa.....	-	-	1	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	2	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	5	2	3	-	-	1	11	5	-	1	8	4
Delaware.....	-	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	1	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	1	-	-	-	-	-	-	-	-	-	-
West Virginia.....	2	-	-	-	-	-	1	-	-	-	1	-
North Carolina.....	-	-	-	-	-	-	5	2	-	-	2	2
South Carolina.....	-	-	-	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	-	-	-	-	1	1	-	-	1	-
Florida.....	3	-	2	-	-	1	3	2	-	1	3	2
EAST SOUTH CENTRAL...	1	1	3	1	-	-	1	3	-	-	-	2
Kentucky.....	1	1	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	1	-	-	1	1	-	-	-	1
Alabama.....	-	-	-	-	-	-	-	2	-	-	-	1
Mississippi.....	-	-	3	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	3	1	2	-	-	1	2	10	-	1	1	10
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	-	-	8	-	-	-	8
Oklahoma.....	-	1	-	-	-	-	-	-	-	-	-	-
Texas.....	3	-	2	-	-	1	2	2	-	1	1	2
MOUNTAIN.....	1	-	-	-	-	-	2	1	-	-	1	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	1	-	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	-	-	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	8	10	4	15	-	-	-	9	-	-	-	8
Washington.....	-	1	1	-	-	-	-	1	-	-	-	1
Oregon.....	-	-	1	-	-	-	-	1	-	-	-	1
California.....	7	9	2	15	-	-	-	7	-	-	-	6
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	1	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	1	-	-	-	2	-	-	-	2

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 25, 1964 AND APRIL 27, 1963 (17th WEEK) - Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	5	125	3	68	821	410	353	58	15,388	17,158	7	111
NEW ENGLAND.....	-	1	1	5	77	34	40	3	1,640	2,022	-	7
Maine.....	-	-	1	2	24	11	12	1	577	944	-	-
New Hampshire.....	-	-	-	-	5	3	2	-	128	139	-	-
Vermont.....	-	-	-	-	12	8	2	2	205	28	-	-
Massachusetts.....	-	1	-	3	13	6	7	-	323	588	-	4
Rhode Island.....	-	-	-	-	7	1	6	-	76	48	-	3
Connecticut.....	-	-	-	-	16	5	11	-	331	275	-	-
MIDDLE ATLANTIC.....	-	2	-	4	205	111	94	-	3,519	3,330	-	18
New York City.....	-	-	-	1	37	13	24	-	509	428	-	6
New York, Up-State.	-	1	-	-	92	62	30	-	1,558	1,477	-	4
New Jersey.....	-	-	-	2	39	13	26	-	639	519	-	-
Pennsylvania.....	-	1	-	1	37	23	14	-	813	906	-	8
EAST NORTH CENTRAL...	1	17	-	6	136	64	54	18	2,312	2,698	3	25
Ohio.....	-	-	-	-	22	9	10	3	611	808	1	16
Indiana.....	-	1	-	-	16	9	6	1	200	244	1	4
Illinois.....	1	12	-	6	24	11	10	3	360	576	-	3
Michigan.....	-	2	-	-	54	30	24	-	982	933	1	2
Wisconsin.....	-	2	-	-	20	5	4	11	159	137	-	-
WEST NORTH CENTRAL...	2	70	-	10	45	24	20	1	900	759	-	10
Minnesota.....	-	2	-	2	5	3	2	-	73	127	-	-
Iowa.....	1	40	-	-	8	5	3	-	132	126	-	3
Missouri.....	-	4	-	-	17	7	10	-	225	308	-	3
North Dakota.....	-	2	-	-	1	1	-	-	37	20	-	-
South Dakota.....	1	11	-	1	6	2	4	-	92	30	-	1
Nebraska.....	-	10	-	-	1	-	1	-	19	56	-	-
Kansas.....	-	1	-	7	7	6	-	1	322	92	-	3
SOUTH ATLANTIC.....	-	6	1	18	50	30	20	-	1,494	1,841	1	25
Delaware.....	-	-	-	-	2	-	2	-	33	26	-	-
Maryland.....	-	-	-	-	12	9	3	-	284	209	-	1
Dist. of Columbia..	-	-	-	-	-	-	-	-	26	57	-	-
Virginia.....	-	2	-	-	6	1	5	-	222	407	1	6
West Virginia.....	-	-	-	-	9	5	4	-	265	271	-	-
North Carolina.....	-	1	-	-	7	5	2	-	281	493	-	9
South Carolina.....	-	-	-	3	5	4	1	-	54	77	-	2
Georgia.....	-	2	1	13	2	2	-	-	35	75	-	1
Florida.....	-	1	-	2	7	4	3	-	294	226	-	6
EAST SOUTH CENTRAL...	1	7	-	4	41	22	15	4	1,055	1,757	1	13
Kentucky.....	1	3	-	-	20	12	8	-	466	528	1	8
Tennessee.....	-	-	-	1	16	9	7	-	364	693	-	4
Alabama.....	-	3	-	2	-	-	-	-	141	256	-	1
Mississippi.....	-	1	-	1	5	1	-	4	84	280	-	-
WEST SOUTH CENTRAL...	-	5	-	13	72	40	29	3	1,118	1,169	1	7
Arkansas.....	-	1	-	-	6	3	3	-	127	143	-	3
Louisiana.....	-	1	-	3	12	9	3	-	228	211	-	-
Oklahoma.....	-	1	-	-	1	-	1	-	68	63	-	3
Texas.....	-	2	-	10	53	28	22	3	695	752	1	1
MOUNTAIN.....	-	10	-	1	50	16	5	29	1,021	1,189	1	1
Montana.....	-	-	-	-	8	5	1	2	99	180	-	-
Idaho.....	-	-	-	-	8	-	-	8	81	175	-	-
Wyoming.....	-	-	-	-	-	-	-	-	33	20	-	-
Colorado.....	-	-	-	-	12	2	1	9	315	249	-	-
New Mexico.....	-	1	-	1	6	5	1	-	160	146	-	-
Arizona.....	-	1	-	-	10	-	-	10	215	261	1	1
Utah.....	-	7	-	-	6	4	2	-	90	148	-	-
Nevada.....	-	1	-	-	-	-	-	-	28	10	-	-
PACIFIC.....	1	7	1	7	145	69	76	-	2,329	2,393	-	5
Washington.....	-	-	-	6	16	8	8	-	245	396	-	1
Oregon.....	-	1	-	-	24	17	7	-	259	342	-	-
California.....	1	6	1	1	96	38	58	-	1,701	1,590	-	4
Alaska.....	-	-	-	-	8	6	2	-	75	52	-	-
Hawaii.....	-	-	-	-	1	-	1	-	49	13	-	-
Puerto Rico	-	-	-	3	31	24	7	-	246	235	-	6

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 25, 1964 AND APRIL 27, 1963 (17th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	29,899	76	1,046	1,006	10,632	7,921	4	64	3	81	127	1,488
NEW ENGLAND.....	576	2	31	69	1,278	829	-	-	-	-	-	7
Maine.....	91	1	3	10	102	103	-	-	-	-	-	5
New Hampshire.....	3	-	-	2	4	9	-	-	-	-	-	1
Vermont.....	65	-	1	2	26	45	-	-	-	-	-	1
Massachusetts.....	163	-	13	33	115	122	-	-	-	-	-	-
Rhode Island.....	112	-	2	6	68	64	-	-	-	-	-	-
Connecticut.....	142	1	12	16	963	486	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,658	5	98	133	693	507	-	3	-	-	1	30
New York City.....	695	2	19	16	34	39	-	-	-	-	-	-
New York, Up-State.	686	1	35	47	502	256	-	-	-	-	1	29
New Jersey.....	607	-	14	21	54	92	-	2	-	-	-	-
Pennsylvania.....	670	2	30	49	103	120	-	1	-	-	-	1
EAST NORTH CENTRAL...	7,778	10	164	165	1,523	759	-	5	-	8	32	174
Ohio.....	1,485	-	48	45	275	118	-	1	-	1	25	93
Indiana.....	2,272	-	28	21	149	97	-	1	-	-	-	8
Illinois.....	1,267	4	35	25	267	103	-	2	-	5	6	39
Michigan.....	1,864	5	39	53	548	259	-	1	-	1	-	12
Wisconsin.....	890	1	14	21	284	182	-	-	-	1	1	22
WEST NORTH CENTRAL...	1,806	6	61	61	313	332	-	3	-	21	36	474
Minnesota.....	7	2	12	11	24	35	-	-	-	1	10	141
Iowa.....	1,455	-	3	3	100	89	-	1	-	1	15	167
Missouri.....	24	3	33	25	37	-	-	2	-	13	7	86
North Dakota.....	311	1	4	1	101	153	-	-	-	-	1	21
South Dakota.....	-	-	-	4	41	10	-	-	-	-	2	41
Nebraska.....	9	-	4	14	-	1	-	-	-	-	1	10
Kansas.....	NN	-	5	3	10	44	-	-	-	6	-	8
SOUTH ATLANTIC.....	2,847	13	233	203	1,032	615	3	27	1	15	17	231
Delaware.....	19	1	3	1	17	4	-	-	-	-	-	-
Maryland.....	120	-	17	29	131	56	-	2	-	-	-	-
Dist. of Columbia..	5	-	7	3	14	1	-	-	-	-	-	-
Virginia.....	1,035	4	26	51	248	176	2	4	-	3	4	153
West Virginia.....	912	-	17	10	504	231	-	-	-	-	1	12
North Carolina.....	77	3	40	32	10	26	-	7	-	4	-	2
South Carolina.....	168	2	36	12	36	42	-	3	-	-	-	-
Georgia.....	-	-	18	11	5	4	-	1	1	8	9	35
Florida.....	511	3	69	54	67	75	1	10	-	-	3	29
EAST SOUTH CENTRAL...	3,349	7	106	82	1,721	1,195	-	9	-	16	19	233
Kentucky.....	1,155	4	35	20	313	130	-	1	-	1	4	32
Tennessee.....	1,281	2	38	35	1,277	936	-	4	-	11	13	191
Alabama.....	11	1	18	13	-	37	-	3	-	3	2	10
Mississippi.....	902	-	15	14	131	92	-	1	-	1	-	-
WEST SOUTH CENTRAL...	6,161	9	96	107	954	792	-	8	1	16	9	223
Arkansas.....	68	1	9	5	2	-	-	2	1	4	4	57
Louisiana.....	4	6	77	46	2	5	-	3	-	-	-	22
Oklahoma.....	91	-	3	21	49	29	-	-	-	11	5	29
Texas.....	5,998	2	7	35	901	758	-	3	-	1	-	115
MOUNTAIN.....	1,043	2	39	33	1,770	1,708	-	2	1	5	4	54
Montana.....	130	-	-	2	45	59	-	-	-	1	-	-
Idaho.....	92	-	1	1	103	209	-	-	-	-	-	-
Wyoming.....	16	1	2	1	42	53	-	1	1	2	-	-
Colorado.....	189	-	8	7	838	758	-	-	-	-	-	-
New Mexico.....	16	-	18	2	360	266	-	1	-	-	-	25
Arizona.....	353	1	3	6	119	131	-	-	-	-	4	29
Utah.....	131	-	1	11	263	231	-	-	-	2	-	-
Nevada.....	116	-	6	3	-	1	-	-	-	-	-	-
PACIFIC.....	3,681	22	218	153	1,348	1,184	1	7	-	-	9	62
Washington.....	1,311	2	18	12	356	508	-	-	-	-	-	-
Oregon.....	410	3	15	7	25	26	-	-	-	-	1	1
California.....	1,886	15	172	126	766	578	1	7	-	-	8	61
Alaska.....	60	-	6	4	109	32	-	-	-	-	-	-
Hawaii.....	14	2	7	4	92	40	-	-	-	-	-	-
Puerto Rico	467	2	14	4	30	28	3	24	-	-	3	9

Table 4 (A) TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	4/4	4/11	4/18	4/25
NEW ENGLAND:				
Boston, Mass.	279	259	267	285
Bridgeport, Conn.	36	40	47	37
Cambridge, Mass.	34	30	24	26
Fall River, Mass.	34	33	24	28
Hartford, Conn.	59	58	66	53
Lowell, Mass.	17	34	26	22
Lynn, Mass.	23	27	26	25
New Bedford, Mass.	28	24	28	25
New Haven, Conn.	52	50	63	36
Providence, R.I.	62	63	65	74
Somerville, Mass.	12	13	12	15
Springfield, Mass.	65	34	40	62
Waterbury, Conn.	33	22	27	25
Worcester, Mass.	50	61	55	42
MIDDLE ATLANTIC:				
Albany, N.Y.	40	50	45	40
Allentown, Pa.	47	39	28	35
Buffalo, N.Y.	167	160	166	153
Camden, N.J.	41	40	49	41
Elizabeth, N.J.	24	33	34	30
Erie, Pa.	56	36	37	35
Jersey City, N.J.	78	83	88	85
Newark, N.J.	102	89	87	89
New York City, N.Y.	1,594	1,858	1,681	1,706
Paterson, N.J.	49	43	54	44
Philadelphia, Pa.	593	601	512	587
Pittsburgh, Pa.	176	155	191	184
Reading, Pa.	67	50	46	42
Rochester, N.Y.	96	82	102	109
Schenectady, N.Y.	56	35	23	26
Scranton, Pa.	33	30	37	46
Syracuse, N.Y.	64	66	59	61
Trenton, N.J.	54	51	42	48
Utica, N.Y.	17	28	38	22
Yonkers, N.Y.	38	45	26	33
EAST NORTH CENTRAL:				
Akron, Ohio	58	58	41	64
Canton, Ohio	36	30	39	42
Chicago, Ill.	849	755	680	716
Cincinnati, Ohio	173	161	169	172
Cleveland, Ohio	201	205	235	186
Columbus, Ohio	127	136	112	111
Dayton, Ohio	87	83	73	84
Detroit, Mich.	396	357	332	380
Evansville, Ind.	35	49	39	28
Flint, Mich.	44	40	47	36
Fort Wayne, Ind.	55	42	44	39
Gary, Ind.	47	19	34	35
Grand Rapids, Mich.	45	60	44	46
Indianapolis, Ind.	148	158	156	154
Madison, Wis.	43	24	53	27
Milwaukee, Wis.	128	138	124	96
Peoria, Ill.	23	47	21	27
Rockford, Ill.	33	40	24	45
South Bend, Ind.	48	40	36	32
Toledo, Ohio	113	104	98	101
Youngstown, Ohio	48	64	62	55
WEST NORTH CENTRAL:				
Des Moines, Iowa	66	58	55	80
Duluth, Minn.	17	26	38	32
Kansas City, Kans.	33	37	35	55
Kansas City, Mo.	122	136	93	164
Lincoln, Nebr.	40	27	26	22
Minneapolis, Minn.	169	127	158	131
Omaha, Nebr.	88	63	82	92
St. Louis, Mo.	247	243	244	272
St. Paul, Minn.	100	93	69	60
Wichita, Kans.	46	61	57	55
SOUTH ATLANTIC:				
Atlanta, Ga.	119	115	129	119
Baltimore, Md.	279	254	259	233
Charlotte, N.C.	40	56	32	38
Jacksonville, Fla.	85	71	74	67
Miami, Fla.	84	94	85	106
Norfolk, Va.	46	43	71	55
Richmond, Va.	86	76	85	98
Savannah, Ga.	39	28	38	31
St. Petersburg, Fla.	83	85	83	92
Tampa, Fla.	57	69	58	80
Washington, D.C.	210	257	198	219
Wilmington, Del.	58	40	33	37
EAST SOUTH CENTRAL:				
Birmingham, Ala.	103	92	92	74
Chattanooga, Tenn.	62	37	49	39
Knoxville, Tenn.	47	40	40	38
Louisville, Ky.	105	122	93	95
Memphis, Tenn.	133	131	133	121
Mobile, Ala.	46	55	30	37
Montgomery, Ala.	19	44	30	33
Nashville, Tenn.	74	89	129	109
WEST SOUTH CENTRAL:				
Austin, Tex.	26	37	39	31
Baton Rouge, La.	39	23	37	31
Corpus Christi, Tex.	23	21	18	30
Dallas, Tex.	161	141	143	155
El Paso, Tex.	50	48	30	35
Fort Worth, Tex.	66	68	92	69
Houston, Tex.	213	181	173	165
Little Rock, Ark.	61	54	71	49
New Orleans, La.	188	176	180	200
Oklahoma City, Okla.	110	66	74	66
San Antonio, Tex.	124	122	119	96
Shreveport, La.	54	42	47	55
Tulsa, Okla.	42	75	38	46
MOUNTAIN:				
Albuquerque, N. Mex.	40	40	36	30
Colorado Springs, Colo.	17	19	25	15
Denver, Colo.	119	128	139	110
Ogden, Utah	12	13	11	18
Phoenix, Ariz.	100	97	107	96
Pueblo, Colo.	18	20	18	18
Salt Lake City, Utah	56	52	56	49
Tucson, Ariz.	53	40	61	36
PACIFIC:				
Berkeley, Calif.	22	18	12	22
Fresno, Calif.	35	59	47	37
Glendale, Calif.	40	50	31	31
Honolulu, Hawaii	59	54	43	54
Long Beach, Calif.	81	68	68	57
Los Angeles, Calif.	589	498	449	611
Oakland, Calif.	110	83	99	67
Pasadena, Calif.	39	38	34	37
Portland, Oreg.	111	149	104	125
Sacramento, Calif.	72	84	60	52
San Diego, Calif.	118	99	103	105
San Francisco, Calif.	216	224	198	189
San Jose, Calif.	52	57	55	44
Seattle, Wash.	137	137	139	121
Spokane, Wash.	73	60	59	51
Tacoma, Wash.	47	31	42	35
San Juan, P.R.	18	29	20	21

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 11,761
4(B) Pneumonia-Influenza Deaths, all ages..... 490
4(C) Total Deaths under 1 Year of Age..... 737
4(D) Total Deaths, Persons 65 years and over..... 6,522

NOTE: All deaths by place of occurrence.

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INTERNATIONAL NOTES – QUARANTINE MEASURES

Immunization Information for International Travel

1963-64 edition – Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

Page 76

City:	Philadelphia, Pennsylvania
Center:	Temple University Hospital
	Broad and Ontario Streets
	Tel: BA 3-8000
Clinic Hours:	Monday, 10-12 a.m.
Fee:	Yes

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor
Morbidity and Mortality Weekly Report
Communicable Disease Center
Atlanta, Georgia 30333

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.
Symbols: --- Data not available
· Quantity zero
Procedures for construction of various mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta, Georgia 30333.

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